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(54) Title: METHOD OF TREATING INSULIN RESISTANCE, ADULT ONSET DIABETES AND METABOLIC SYNDROME X

(57) Abstract: A method of treating insulin resistance, adult onset diabetes, and metabolic syndrome X and its related complications, in a mammalian subject is accomplished by intravenously administering to a mammalian subject, a therapeutically effective amount of a liposomal suspension of lipoprotein small unilamellar vesicles (SUVs) comprising predominantly phospholipids. The liposomal suspension is administered over a period of time, whereby in the levels of some or all of blood glucose, insulin, total cholesterol, LDL cholesterol, triglyceride, creatine kinase (CK), creatine kinase-MB (CK-MB), Hb-A1c, lipoprotein (a), SGOT and SGPT fall back within the normal range or are significantly reduced.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 9/127

US CL : 424/450

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/450

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
East, STN bioscience cluster; Medline, Caplus, Biosis.STN Patents and PCT cluster

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/0055512 A1 (MARIN et al.) 09 May 2002 (09.05.2002), page 5, section 0053, 0054, page 7, section 0077, pages 8-14, examples 1-14.	1-5, 7-8, and 11-22
A	CANTAFORA, A. et al. Effects of intravenous polysaturated phosphatidylcholine infusion on insulin receptor processing and lipid composition of erythrocytes in patients with liver cirrhosis. European Journal of Clinical investigation. August 1992, Vol. 22, pages 777-782, especially pages 778 to 779.	1-3 and 7-10
A	US 5,451,569 A (WONG et al.) 19 September 1995 (19.09.1995), column 2, lines 40-45, columns 3-4, examples 1-3.	1-2, 7-9 and 11-22

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

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